APPENDIX KK - Structures

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Bridge Site Data Submittal

STATE OF CALIFORNIA • DEPARTMENT OF TRANSPORTATION
BRIDGE SITE DATA SUBMITTAL
DS-P-0048 (REV. 6/93)

Page 1 of 9

TO:
☐ Division of Structures, Sacramento
☐ Division of Structures, Preliminary Investigations, Santa Ana

FROM: Department of Transportation, District _____

DATE

DISTRICT	COUNTY	ROUTE	POST MILES

CHARGE	EXPENDITURE AUTHORIZATION

PROJECT LIMITS

DESIGN ENGINEER

PROJECT ENGINEER	CALNET PHONE NO.	WORK PHONE NO.

BRIDGE NAME	BRIDGE NUMBER

Attached are control data and *reproducibles* of the following drawings:

	Drawing Numbers
☐ Strip Map	
☐ Site Plan. Date of Aerial Survey _____	
☐ Site Plan. Total Station Survey	
☐ Profiles and Superelevation	
☐ Typical Sections	
☐ Traverse Sheets and Calculated Alignment Ties	
☐ Calculated Grade Sheets	
☐ Copy of Field Survey Notes (including Reference Points, if any)	
☐ List of Bench Marks	
☐ List of Field Monuments (Location, Description, Coordinates)	
☐ Detour or Stage Construction Plans	
☐ Hydrologic and Hydraulic Data	
☐ Highway Layouts	
☐ Correspondence	
☐ Utility Information Sheet DS-P58	
☐ Other Data	
☐ CADD Files	

All items listed for Bridge Site Data Submittal in the *Drafting and Plans Manual*, Section 3-3.2, are covered by the attached prints and the following comments:

_____

_____

_____

_____

DS 93 0045

BRIDGE SITE DATA SUBMITTAL
DS-P-0048 (REV. 6/93)

SCHEDULING

STIP _____ Fiscal Year

PS&E Date _____

Suggested Advertising Date _____

☐ New Structure ☐ Replacement ☐ Modification

On:

☐ Interstate Highway System ☐ State Highway System

☐ Scenic Highway System ☐ Local Road System

Additional data for pumping plant is:

☐ Not required ☐ Required and date _____

1. ACCESS

☐ Legal access to site is available from _____

☐ Legal access not available. Office of Structure Design to check with District before field work.

☐ Access to the site is restricted by environmental consideration.

Contact _____

at phone number _____ before any work is done at the site.

2. ALIGNMENT AND GRADE

Data attached includes:

☐ Proposed alignment and ties to staked line or monuments

☐ Lower roadway toe of slope grid grades

☐ Grade line(s) which is (are) fixed _____

☐ Grade line(s) which can be adjusted _____

☐ Edge of deck grades (AC and PCC)

☐ Superelevation Diagram

☐ Office of Structure Design to expedite General Plan to District for final grade determination or for _____

Site Data Controls:

☐ Survey lines and/or construction centerline staked and visibly marked.

Date of Survey _____

☐ Survey lines and/or construction centerline to be staked upon request.

3. APPROACHES

☐ AC ☐ PCC pavement will be used on road approaches.

☐ Full slope paving on approach fills recommended.

PS&E by: ☐ Office of Structure Design ☐ District

☐ Approach slab for widening ☐ needed ☐ not needed to be determined by Pavement Rehabilitation Review Team.

BRIDGE SITE DATA SUBMITTAL

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4. BENCH MARKS

- ☐ Bench marks and monuments in immediate vicinity of site shown on site plan, include location, description and elevation.
- ☐ Vertical control datum is:
  - ☐ NGVD Date of Adjustment _____
  - ☐ District ☐ As-Built ☐ Assumed

5. BRIDGE RAIL/GUARD RAIL

- ☐ District recommends standard railing
- ☐ District recommends Type _____ as shown on enclosed drawings.
- ☐ Structure located on superelevation transition, possibly affecting rail profile. Office of Structure Design to comment.
- ☐ Locations of metal beam guard railing shown on site data. Office of Structure Design to provide suitable connections at ends of bridge rail. Metal beam guard railing to be included in District PS&E.
- ☐ Median barrier railing on structure. Type _____ is recommended.
- ☐ Glare screen required.
- ☐ See "Additional Data"

6. CLEARANCES

- ☐ _____ feet minimum horizontal clearance to column or abutment from right edge of pavement and _____ feet from left edge of pavement with respect to direction of traffic.
- ☐ Vertical clearance of _____ feet required over initial and ultimate traveled ways, _____ feet over shoulders (includes) _____ feet additional clearance required under Pedestrian or Cyclist Overcrossings.
- ☐ Vertical clearance controls per attached calculations. Structure depths used in establishing grades are listed below ☐ and are in accordance with Office of Structure Design Advance Planning Study dated _____ .
- ☐ See "Hydraulic Data" for estimated peak High Water elevation.
- ☐ Match existing
- ☐ Columns or pier permitted in the median.
- ☐ Railroad off-track Maintenance Road and/or future track requirements shown on Site Plan.

7. COORDINATION

- ☐ District to submit Bridge General Plan to local authorities for approval. District to notify Office of Structure Design before Office of Structure Design proceeds with structure design.
- ☐ District will request Department of Fish and Game approval upon receipt of necessary data from Office of Structure Design.
- ☐ Copies of pertinent correspondence from local authorities are attached (Reclamation Board, Flood Control Districts, etc.).

BRIDGE SITE DATA SUBMITTAL
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8. CORROSION CLASSIFICATION

- ☐ Site is not considered corrosive.
- ☐ Site is considered corrosive. Corrosion test sheets are attached.
- ☐ Site is within 1,000 feet of ocean or tidal water.
- ☐ Data not available at this time. Will be furnished when available.

9. DECK PROTECTION

- ☐ The structure ☐ will ☐ will not be exposed to de-icing salts or chemicals.
- ☐ The structure's riding surface ☐ will ☐ will not be exposed to chain use.

10. DESIGN SPEED/SIGHT DISTANCE

- ☐ Design speeds shown on plans.
- ☐ Design speeds are:_____ mph.

Factors affecting sight distance: ☐ None ☐ See "Additional Data".

11. DETOUR

- ☐ None required.
- ☐ Traffic to use existing facilities.
- ☐ Traffic can be detoured.
- ☐ Required. Traffic to_____
  _____
  _____
- ☐ Stage construction required. See "Additional Data". (Include proposed traffic handling and Sequence of Operations).
- ☐ See "Falsework".
- ☐ Office of Structure Design to review and comment.

12. DISPOSAL OF OLD BRIDGE

- ☐ No restrictions.
- ☐ Removal can be accomplished after construction. PS&E by Office of Structure Design.
- ☐ Existing structure to remain in place for _____ traffic.
- ☐ Traffic can be: ☐ detoured ☐ temporarily stopped.
- ☐ Disposition of salvageable material to be handled by Office of Structure Design.
- ☐ Protective cover over lower roadway needed. PS&E by Office of Structure Design.

13. DRAINAGE

- ☐ District will provide shoulder drains on approaches near high end(s) of structure to prevent drainage crossing end(s) of structure.
- ☐ Accumulated surface water to be carried on structure across freeway. Special sealing at structure ends and seat type abutments to be provided by Office of Structure Design. (This may be expensive. Should be discussed by District and Structure designer).

BRIDGE SITE DATA SUBMITTAL
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14. ENVIRONMENTAL IMPACT REPORT

☐ Attached

☐ Not applicable

15. FALSEWORK

☐ No restrictions. No traffic.

☐ Falsework not allowed over traffic. State construction required as detailed under "Additional Data" and attached plans.

☐ Falsework openings to have:

☐ Type K temporary railings adjacent to traffic

☐ Crash Cushions adjacent to end of railings.

☐ Grades are set to provide minimum falsework depths per Highway Design Manual.

Provide _____ opening(s) in falsework: _____ wide by _____ high,

located _____ .

Covered pedestrian passageways to be _____ wide by _____ high,

located _____ .

☐ Falsework lighting is (not) required.

☐ Traffic is not to be interrupted between the hours of _____ to _____ and

_____to _____ on weekdays and not at all on Saturdays, Sundays and Holidays.

☐ Traffic may be interrupted at any other time only for erection of prefabricated girders, erection or removal of falsework or removal of portions of existing structure or _____ .

☐ It is estimated that future maintenance painting could (not) be performed without excessive interruptions or hazards to traffic.

☐ Railroad traffic will be carried:

☐ on new alignment ☐ on shoofly ☐ through bridge construction area

16. FUTURE WIDENING

☐ None.

☐ Shown on District drawing.

☐ See "Additional Data".

17. HYDRAULIC DATA

☐ Available hydrologic and hydraulic data and pertinent correspondence included. See "Additional Data".

☐ No hydrologic or hydraulic data available.

☐ District proposes channel protection as follows: _____

_____

_____

_____

_____

BRIDGE SITE DATA SUBMITTAL Page 6 of 9
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☐ District proposes _____ feet minimum clearance above ☐ Q 50 ☐ Q 100 peak highwater elevation of _____ feet. Division of Structures to verify.

☐ Proposed structure drainage design to be included with Structures General Plan for District's coordination with roadway drainage.

☐ See "Additional Data".

18. LOADING

☐ Structure on "SHELL" Route.

☐ _____ structure to carry construction overloads.

☐ No special construction loading.

19. OBSTRUCTIONS

☐ None existing other than those stated under Utility requirements.

☐ Traffic ☐ Existing bridge ☐ Water flow

☐ Overhead wires ☐ Buried utilities ☐ _____

☐ Listed below are those obstruction that are to remain in place or will be moved to locations where they could interfere with design or construction: _____

_____

_____

_____

20. RETAINING WALLS (By District except for special designs).

☐ None required.

☐ Shown on District site plan.

☐ Special design required.

☐ PS&E by: ☐ Office of Structure Design ☐ District

☐ See "Additional Data".

21. SIDEWALK ON STRUCTURE

☐ None required.

☐ Sidewalk(s) required as indicated.

☐ Sidewalk(s) required to connect to existing system of sidewalks.

☐ Subdivision activities in the immediate area indicate that construction of a connecting system of sidewalks is imminent.

☐ Overcrossing screening required on _____ side(s). PS&E by Office of Structure Design.

☐ Sidewalk and railing as shown conform to requirements of local authorities and/or sight distance requirements.

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22. STORAGE FACILITIES

☐ No restrictions ☐ Restricted

☐ Due to physical restrictions and hazards to traffic in the immediate vicinity of the bridge construction site, on-site storage of fabricated girders is not available.

☐ Fabrication of girders or storage of material should not be allowed within _____ feet of edge of shoulder of freeway or _____ feet of other roads.

23. STRIP MAP

☐ Attached.

☐ Previously submitted with letter of _____ .

24. STRUCTURE TYPE RECOMMENDATIONS

☐ None. Division of Structures to recommend type. Aesthetic considerations to be consistent with neighboring structures.

☐ Type selection to accommodate anticipated future widening.

☐ Closed end.

☐ Open end type with _____ : _____ end slopes starting _____ feet minimum from edge of pavement.

☐ See "Additional Date" for unusual or special aesthetic considerations.

25. UTILITY REQUIREMENTS

☐ All existing utilities shown on District Site Plan.

☐ All existing utilities in conflict with the structure except as listed below will be removed or relocated by District ☐ prior to, ☐ concurrent with construction.

☐ Existing utilities that are to remain are: _____

_____

_____

_____

These utilities ☐ are ☐ will be tied to survey construction lines, ☐ will be staked by District shortly before structure foundation work (excavation, pile driving or drilling).

☐ No utilities to be carried on structure.

☐ Information on utilities to be carried on structure,

☐ Complete Utility Information Sheet DS-P58 ☐ attached ☐ will be forwarded at a later date ☐ listed below.

☐ Highway operational utilities in structure, *i.e.* lighting traffic signals, etc.

Manhole frames and covers to be placed in bridge decks to be furnished by the ☐ Utility Company ☐ State.

Water Line Requirements for Landscaping

☐ None required.

☐ Data to be furnished by District upon receipt of Bridge General Plan.

☐ _____" ☐ Galvanized ☐ Plastic pipe should be used.

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26. WIDTH

☐ The roadway width of the bridge is approved by Headquarters Design Reviewer _____ on _____

☐ Bridge roadway widths will be _____ feet between railings or sidewalks when viewed in the direction of ☐ traffic ☐ stationing.

☐ See "Additional Data".

27. ADDITIONAL DATA

(1/10/94)

- **Copy of PSR or PSSR.**
- **Copy of PYPSCAN cost screen and PYRS PY allocation screen.**

SIGNATURE OF PROJECT ENGINEER	SIGNATURE OF DESIGN ENGINEER

cc: Traffic Department
R/W Utilities Relocation
Office of Structure Design

BRIDGE SITE DATA SUBMITTAL Page 9 of 9
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STRUCTURE CLEARANCE CALCULATIONS

Vertical clearance calculations are located at:

_____ ☐ Lt ☐ Rt of _____ Line Station _____

_____ ☐ Lt ☐ Rt of _____ Line Station _____

UPPER ROADWAY

Station _____

Distance Left or Right of Profile Grade ..... _____

Cross Slope: _____ %

Profile Grade Elevation ..... _____

Corrections for Cross Slope ..... _____

Upper Roadway Elevation = _____

LOWER ROADWAY

Station _____

Distance Left or Right of Profile Grade ..... _____

Cross Slope:

Traveled Way _____ %

Shoulder _____ %

Profile Grade Elevation ..... _____

Corrections for Cross Slope ..... _____

Lower Roadway Elevation = _____

Difference between Roadway Elevations ..... _____

Less Required Minimum Clearance ..... – _____

Available for Structure Depth ..... _____

FALSEWORK CLEARANCE

Difference between Roadway Elevations ..... _____

Less Minimum Falsework Clearance ..... _____

Less Falsework Depth ..... _____

Total Falsework Clearance Required ..... – _____

Available for Structure Depth ..... _____

☐ No Clearance Problem

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

UTILITY INFORMATION SHEET

05-Forms (REV. 1/91)

UTILITY NO. | DIST. | CO. | RTE | PM

INTERSTATE NO. | CHARGE NO. | E.W.A. NO.

NOTE:

Added information may be placed below under additional information. Select appropriate line letter, Column (2), and Column number for identification.

Column (18) is needed to be specified.

Lines "P" to "U" Column (1) to be used for other utilities; for example, communication, petroleum, etc.

If columns (9), (14) & (15) are used, indicate under additional information who will pay for the relocation, i.e., % State, % Utility Company

* Usual procedure. Columns 10, 11, and 13

(1) TYPE OF UTILITY	(2)	(3) NAME OF UTILITY COMPANY	(4)	(5) CABLE PIPE OR DUCTS (GIVE SIZE AND TYPE)	(6) SIZE OF CASING OR DIMENSIONS OF CONDUIT (DIMENSIONS AT REAL END OF PIPE OR CONDUIT)	(7) SIZE OF OPENINGS REQUIRED THROUGH BENT CAPS AND ABUTMENTS (RECTANGULAR W. x H. - ROUND - Ø)		(8) LOCATION OF OPENINGS (USE S., N.E., ETC. OF STREET)	(9) MANHOLES REQUIRED WITH CRAWL SPACE THROUGH DIAPHRAMS (CRAWL SPACE MIN. 2' X 2' - NET)	(10)* MANHOLE FRAME AND COVER TO BE FURNISHED AND INSTALLED BY STATE CONTRACTOR	(11)* HANDGE HARDWARE TO BE FURNISHED BY UTILITY COMPANY & INSTALLED BY STATE CONTRACTOR	(12) U = UTILITY SUPPORTS TO BE FURNISHED & INSTALLED BY STATE CONTRACTOR; S = STATE CASING AND CARRIER PIPE TO BE FURNISHED BY UTILITY COMPANY & INSTALLED BY UTILITY COMPANY OR STATE CONTRACTOR	(13)* CASING TO BE FURNISHED AND INSTALLED BY STATE CONTRACTOR	(14) ULTIMATE WEIGHT PER FOOT (WEIGHT OF CARRIER PIPE OR DUCTS) FURNISHED BY UTILITY COMPANY AND INSTALLED BY STATE CONTRACTOR	(15) CASING CONTENTS & SUPPORTS	(16) MAXIMUM PRESSURE OR VOLTAGE	(17)	(18)
NATURAL GAS	A																		
	B																		
POWER	C																		
	D																		
	E																		
TELEPHONE	F																		
	G																		
	H																		
SEWER	J																		
	K																		
WATER	L																		
	M																		
	N																		
	P																		
	R																		
	S																		
	T																		
	U																		

LETTER	NO.	ADDITIONAL INFORMATION	LETTER	NO.	ADDITIONAL INFORMATION

UTILITY INFORMATION

BRIDGE NAME | BRIDGE NO.

R/W UTILITY ENGINEER | DATE

Bridge Site Data Submittal - Soundwall

STATE OF CALIFORNIA • DEPARTMENT OF TRANSPORTATION
BRIDGE SITE DATA SUBMITTAL
DS-P0049 (Rev. 10/90)

SOUNDWALL

To:

( ) Office of Structure Design
Sacramento

( ) Office of Structure Design
Los Angeles

From:

Department of Transportation
District _____

Date_____

Dist____Co____Rte____PM_____

Charge_____EA_____

Project Limits_____

_____

_____

Design Engineer:

Project Engineer:
ATSS Phone No. _____

Subject: SOUNDWALL SITE DATA SUBMITTAL

Sound Wall Name:_____

_____

Attached are control data and reproducibles of the following drawings:

		Drawing Nos.
( )	Strip Map.	_____
( )	Site Plan. Date of Aerial Survey _____.	_____
( )	Site Plan. Total Station Survey.	_____
( )	Profiles (Top and bottom of wall)	_____
( )	Typical Sections.	_____
( )	Cross Sections (1"=5' Scale)	_____
( )	Copy of Field Survey Notes (including Reference Points, if any).	_____
( )	Calculated Grade Sheets.	_____
( )	Traverse Sheets & Calculated Alinement Ties	_____
( )	List of Bench Marks	_____
( )	List of Field Monuments - Locations, Description, Coordinates.	_____
( )	Detour or Stage Construction Plans.	_____
( )	Drainage Data	_____
( )	Sound Wall Layout Plans	_____
( )	Utility Locations & Elevations	_____
( )	Correspondence.	_____
( )	Other Data (Photos, As-Builts, Architectural Treatment & Landscape Requirements	_____

SCHEDULING

STIP _____ Fiscal Year.

PS&E Date _____.

Suggested Advertising Date _____.

ON:

( ) Interstate Highway System ( ) State Highway System
( ) Scenic Highway System ( ) Local Road System

1. ACCESS

( ) Legal access to site is available from _____.

( ) Legal access if available from both sides of sound wall.

( ) Legal access not available. Office of Structure Design to check with District before field work.

( ) Access to the site is restricted by environmental consideration. Contact_____at phone number _____ before any work is done at the site.

2. ALINEMENT AND GRADE

Data attached includes:

( ) Proposed alinement and ties to staked line or monuments.

( ) Lower roadway toe of slope grid grades.

( ) Grade line(s) which is (are) fixed _____.
Grade line(s) which can be adjusted _____.

( ) Superelevation Diagram.

Site Data Controls:

( ) Survey lines and/or construction centerline staked and visibly marked. Date of Survey _____.

( ) Survey lines and/or construction centerline to be staked upon request.

3. BENCH MARKS

( ) Bench marks and monuments in immediate vicinity of site shown on site plan, include location, description and elevation.

( ) Vertical control datum is ( ) NGVD date of adjustment _____. ( ) District ( ) As-Built ( ) Assumed.

4. BARRIER TYPE RECOMMENDATIONS (Sound wall on barrier)

( ) District recommends Type _____ Barrier.

( ) Shown on enclosed drawings.

5. CHECKED DATA:

Data which has been checked:

( ) Alinements and Traverses

( ) Grade Lines and Superelevations

6. APPROVED HORIZONTAL CLEARANCE

( ) _____ft. minimum horizontal clearance from edge of roadway to sound wall.

7. COORDINATION

( ) District to submit "Sound Wall General Plan" to local authorities for approval. District to notify Office of Structure Design before Office of Structure Design proceeds with structure design.

( ) Copies of pertinent correspondence from local authorities are attached (Rec. Board, Flood Control Districts, etc.).

8. CORROSION CLASSIFICATION

( ) Site is not considered corrosive.

( ) Site is considered corrosive. Corrosion test sheets are attached.

( ) Site is within 1,000 feet of ocean or tidal water.

( ) Data not available at this time. Will be furnished when available.

3

9 . DETOUR

( ) None required.

( ) Traffic to use existing facilities.

( ) Required. Traffic to _____

_____

( ) Stage construction required. See "Additional Data". (Include proposed traffic handling and Sequence of Operations).

( ) Office of Structure Design to review and comment.

10. ENVIRONMENTAL IMPACT REPORT (Portions affecting sound walls)

( ) Attached.

( ) Not applicable.

11. TEMPORARY RAILING

( ) None required. Traffic will be out of construction area.

( ) Temporary railing(s) will be required during detour or stage construction phases.

12. GUARD RAILING

( ) Approach guard railing is recommended. PS&E by Office of Structure Design.

( ) Locations of metal beam guard railing shown on site data. Office of Structure Design to provide suitable connections at ends of barrier. Metal beam guard railing to be included in District's PS&E.

13. OBSTRUCTIONS

( ) None existing other than those stated under Utility requirements.

( ) Traffic

( ) Listed below are those obstruction that are to remain in place or will be moved to locations where they could interfere with design or construction.

_____

4

14. RETAINING WALLS (Sound wall on retaining wall is a special design)

( ) None required.

( ) Shown on District site plan.

( ) Special design required.

( ) PS&E by ( ) Office of Structure Design. ( ) District.

( ) See "Additional Data".

15. STORAGE FACILITIES

( ) No restrictions. ( ) Restricted.

( ) Due to physical restrictions and hazards to traffic in the immediate vicinity of the sound wall construction site, on-site storage of prefabricated sound walls is not available.

( ) Fabrication of precast sound walls not permitted in R/W.

( ) Fabrication of sound walls or storage of material should not be allowed within _____ ft of edge of shoulder of freeway or _____ ft of other roads.

16. SOUND WALL TYPE RECOMMENDATIONS

( ) None. Office of Structure Design to recommend type. Aesthetic considerations to be consistent with neighboring structures.

( ) Concrete Masonry Block

( ) Precast Concrete Panels

( ) Cast-in-place concrete

( ) Metal

( ) Wood

( ) Other _____

17. TEMPERATURE RANGE

Approximate air temperature range from a low of _____°F to a high of _____°F.

5

18. UTILITY REQUIREMENTS

( ) All existing utilities shown on District Site Plan.

( ) All existing utilities in conflict with the sound wall except as listed below will be removed or relocated by District ( ) prior to, ( ) concurrent with construction.

( ) Existing utilities that are to remain are:

_____

_____

_____.

These utilities ( ) are ( ) will be tied to survey construction lines, ( ) will be staked by District shortly before structure foundation work (excavation, pile driving or drilling).

19. ADDITIONAL DATA

_____ _____

Project Engineer Design Engineer

cc: Traffic Department
R/W Utilities Relocation
Office of Structure Design

Bridge Site Data Submittal - Non-Standard Retaining Wall

STATE OF CALIFORNIA • DEPARTMENT OF TRANSPORTATION
BRIDGE SITE DATA SUBMITTAL
DS-P0049 (Rev. 4/93)

NON-STANDARD
RETAINING WALL

To:

( ) Office of Structure Design
Sacramento

( ) Office of Structure Design
Los Angeles

From:

Department of Transportation
District _____

Date_____

Dist____Co____Rte____PM_____

Charge_____EA_____

Project Limits_____

_____

_____

Design Engineer:

Project Engineer:
ATSS Phone No. _____

Subject: SOUNDWALL SITE DATA SUBMITTAL

Sound Wall Name:_____

_____

Attached are control data and reproducibles of the following drawings:

		Drawing Nos.
( )	Strip Map.	_____
( )	Site Plan. Date of Aerial Survey _____.	_____
( )	Site Plan. Total Station Survey.	_____
( )	Profiles (Top and bottom of wall)	_____
( )	Typical Sections.	_____
( )	Cross Sections (1"=5' Scale)	_____
( )	Copy of Field Survey Notes (including Reference Points, if any).	_____
( )	Calculated Grade Sheets.	_____
( )	Traverse Sheets & Calculated Alinement Ties	_____
( )	List of Bench Marks	_____
( )	List of Field Monuments - Locations, Description, Coordinates.	_____
( )	Detour or Stage Construction Plans.	_____
( )	Drainage Data	_____
( )	Sound Wall Layout Plans	_____
( )	Utility Locations & Elevations	_____
( )	Correspondence.	_____
( )	Other Data (Photos, As-Builts, Architectural Treatment & Landscape Requirements	_____

SCHEDULING

STIP _____ Fiscal Year.

PS&E Date _____.

Suggested Advertising Date _____.

ON:

( ) Interstate Highway System ( ) State Highway System
( ) Scenic Highway System ( ) Local Road System

1. ACCESS

( ) Legal access to site is available from _____.

( ) Legal access if available from both sides of sound wall.

( ) Legal access not available. Office of Structure Design to check with District before field work.

( ) Access to the site is restricted by environmental consideration. Contact_____at phone number _____ before any work is done at the site.

2. ALINEMENT AND GRADE

Data attached includes:

( ) Proposed alinement and ties to staked line or monuments.

( ) Lower roadway toe of slope grid grades.

( ) Grade line(s) which is (are) fixed _____.
Grade line(s) which can be adjusted _____.

( ) Superelevation Diagram.

Site Data Controls:

( ) Survey lines and/or construction centerline staked and visibly marked. Date of Survey _____.

( ) Survey lines and/or construction centerline to be staked upon request.

3. BENCH MARKS

( ) Bench marks and monuments in immediate vicinity of site shown on site plan, include location, description and elevation.

( ) Vertical control datum is ( ) NGVD date of adjustment _____. ( ) District ( ) As-Built ( ) Assumed.

4. BARRIER TYPE RECOMMENDATIONS (Sound wall on barrier)

( ) District recommends Type _____ Barrier.

( ) Shown on enclosed drawings.

5. CHECKED DATA:

Data which has been checked:

( ) Alinements and Traverses

( ) Grade Lines and Superelevations

6. APPROVED HORIZONTAL CLEARANCE

( ) _____ft. minimum horizontal clearance from edge of roadway to sound wall.

7. COORDINATION

( ) District to submit "Sound Wall General Plan" to local authorities for approval. District to notify Office of Structure Design before Office of Structure Design proceeds with structure design.

( ) Copies of pertinent correspondence from local authorities are attached (Rec. Board, Flood Control Districts, etc.).

8. CORROSION CLASSIFICATION

( ) Site is not considered corrosive.

( ) Site is considered corrosive. Corrosion test sheets are attached.

( ) Site is within 1,000 feet of ocean or tidal water.

( ) Data not available at this time. Will be furnished when available.

3

9 . DETOUR

( ) None required.

( ) Traffic to use existing facilities.

( ) Required. Traffic to _____

_____

( ) Stage construction required. See "Additional Data". (Include proposed traffic handling and Sequence of Operations).

( ) Office of Structure Design to review and comment.

10. ENVIRONMENTAL IMPACT REPORT (Portions affecting sound walls)

( ) Attached.

( ) Not applicable.

11. TEMPORARY RAILING

( ) None required. Traffic will be out of construction area.

( ) Temporary railing(s) will be required during detour or stage construction phases.

12. GUARD RAILING

( ) Approach guard railing is recommended. PS&E by Office of Structure Design.

( ) Locations of metal beam guard railing shown on site data. Office of Structure Design to provide suitable connections at ends of barrier. Metal beam guard railing to be included in District's PS&E.

13. OBSTRUCTIONS

( ) None existing other than those stated under Utility requirements.

( ) Traffic

( ) Listed below are those obstruction that are to remain in place or will be moved to locations where they could interfere with design or construction.

_____

4

14. RETAINING WALLS (Sound wall on retaining wall is a special design)

( ) None required.

( ) Shown on District site plan.

( ) Special design required.

( ) PS&E by ( ) Office of Structure Design. ( ) District.

( ) See "Additional Data".

15. STORAGE FACILITIES

( ) No restrictions. ( ) Restricted.

( ) Due to physical restrictions and hazards to traffic in the immediate vicinity of the sound wall construction site, on-site storage of prefabricated sound walls is not available.

( ) Fabrication of precast sound walls not permitted in R/W.

( ) Fabrication of sound walls or storage of material should not be allowed within _____ ft of edge of shoulder of freeway or _____ ft of other roads.

16. SOUND WALL TYPE RECOMMENDATIONS

( ) None. Office of Structure Design to recommend type. Aesthetic considerations to be consistent with neighboring structures.

( ) Concrete Masonry Block

( ) Precast Concrete Panels

( ) Cast-in-place concrete

( ) Metal

( ) Wood

( ) Other _____

17. TEMPERATURE RANGE

Approximate air temperature range from a low of _____°F to a high of _____°F.

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18. UTILITY REQUIREMENTS

( ) All existing utilities shown on District Site Plan.

( ) All existing utilities in conflict with the sound wall except as listed below will be removed or relocated by District ( ) prior to, ( ) concurrent with construction.

( ) Existing utilities that are to remain are:

_____

_____

_____.

These utilities ( ) are ( ) will be tied to survey construction lines, ( ) will be staked by District shortly before structure foundation work (excavation, pile driving or drilling).

19. ADDITIONAL DATA

_____ _____

Project Engineer Design Engineer

cc: Traffic Department
R/W Utilities Relocation
Office of Structure Design

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